

## ELTA's Escort Jammer System Configured to Support Mission Success



### General

ELTA's EL/L-8251 Escort Jammer (EJ) is an advanced EW system that suppresses all types of enemy Air Defense Surveillance and Fire Control Radars along the mission flight path.

The system is designed for installation on fighter aircraft for Airborne Electronic Attack (AEA) missions. It significantly increases the survivability of the entire attacking force. The EL/L-8251 operates automatically with minimal pilot intervention.

Whether configured internally or as a pod, the EJ System is easily installed and integrated on various types of aircraft.

The system is flight line re-programmable. Threats and jamming techniques may be easily updated or added using PC-based equipment and user-friendly Human-Machine Interface.

The system incorporates ELTA's field proven experience of more than 35 years in the design and production of EW systems.

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## Features

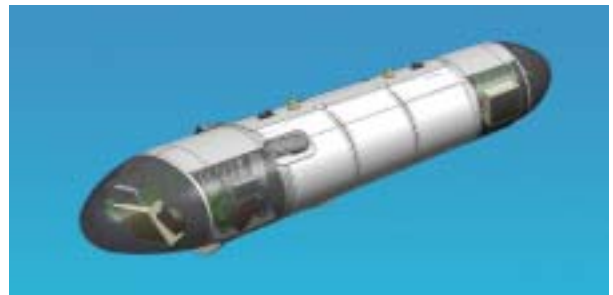
- Wide frequency coverage: 1GHz - 18 GHz
- Wide spatial coverage
- Additional internal power, generated by a Ram Air Turbine
- Elta's advanced receiving-channel deployed in the EL/L-8251 provides:
  - High degree of time / frequency selectivity for effective operation in a dense radar emitters environment
  - High threat detection sensitivity
  - Quick and reliable threat identification
  - Accurate threat Direction Finding (DF)
- The implementation of advanced Exciter supports:
  - Fast response time
  - Jamming multiple threats simultaneously with independent directional transmission
  - Wide technique repertoire
- Several Multi-Beam Array Transmitters (MBATs) based on TWT or SSA technologies enable:
  - High directivity ECM transmission with augmented Effective Radiated Power (ERP)
- Enhanced and user-friendly operational support tools:
  - Easy to program, fast-loading User Defined File Generator (UDFG)
  - Full mission events data recording (operation and maintenance)
  - Mission Debriefing using PC-based mission event replay tool
- Low Life Cycle Cost (LCC): Cost-effective maintenance based on internal BIT, high reliability, high availability, and low-cost ILS



EL/L-8251 Escort Jammer Pod on Fighter A/C



EL/L-8251 Escort Jammer Pod with TWT MBAT Transmitter



EL/L-8251 Escort Jammer Pod with SSA MBAT Transmitter

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INTELLIGENCE,  
SURVEILLANCE,  
RECONNAISSANCE

EARLY WARNING  
& CONTROL

DEFENCE  
& SELF-PROTECTION

TARGET ACQUISITION  
& FIRE CONTROL